KIT, SCAVENGER SHUT-OFF

INSTALLATION PROCEDURE

1. Disconnect all pipeline hoses and close all cylinder valves. Depressurize the system.

2. Turn the System Power switch to STANDBY.

3. Remove the back cover of the flowmeter housing.

CAUTION: If optional suction system piping is present, use extreme caution when drilling so as not to damage the DISS vacuum fitting on the rear frame rail.

4. For Narkomed 2B, 2C and 4: carefully enlarge the existing 7/32 in. dia. hole in the rear frame rail (see Figure 1) with a 5/16 in. dia. drill. Carefully de-burr the hole and clean all drilling chips from the machine and the surrounding area.

5. For Narkomed 2A and 3: measure and mark the hole location on the rear frame rail as shown in Fig. 1.

6. Carefully drill a 5/16 in. dia. hole. Carefully de-burr the hole and clean all drilling chips from the machine and the surrounding area.

7. Install the label as shown in Figure 1. The arrow on the label should point to the hole.

INSTALLATION PROCEDURE (continued)

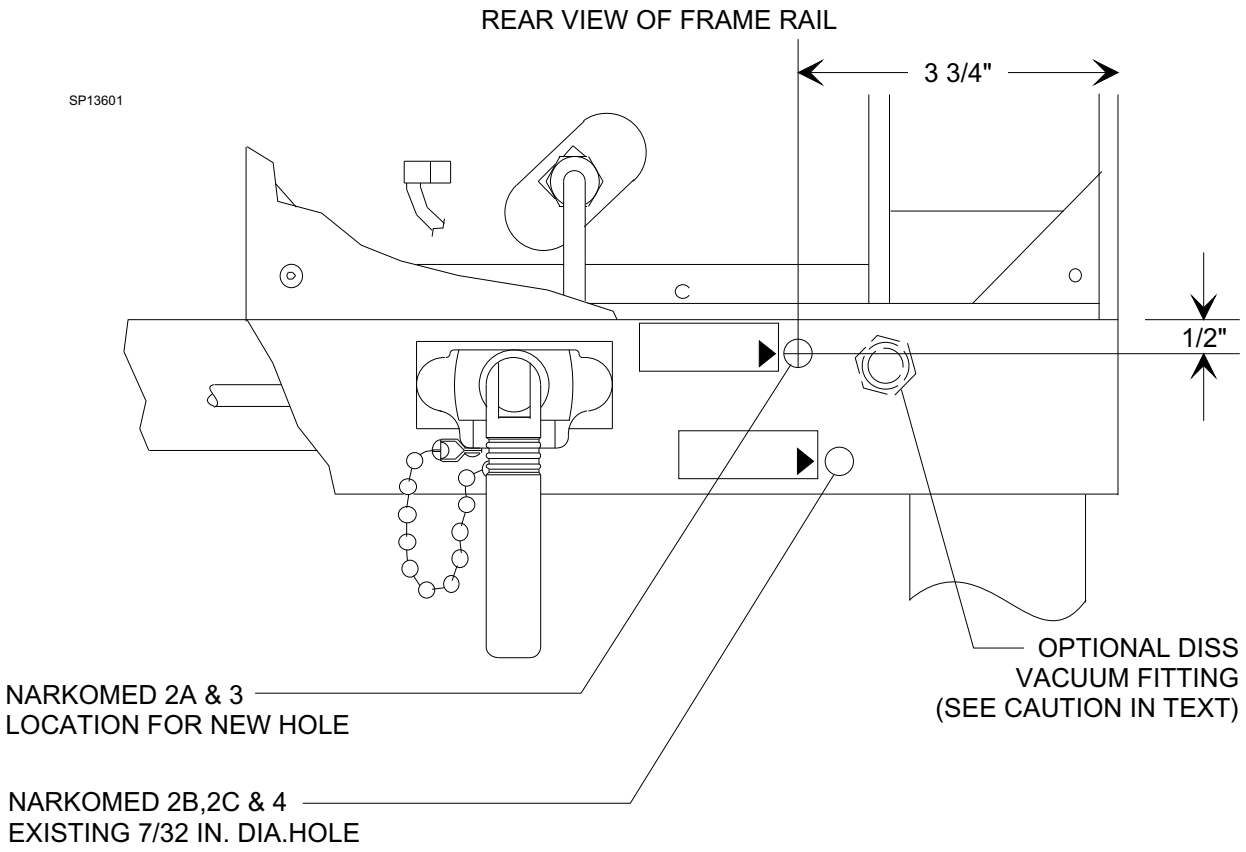

Figure 1: DRILLING AND LABEL LOCATION

Part of the Scavenger Shut-off Valve Assembly (S/N S010247) has a quick-disconnect bulkhead fitting at one end of a ⅛ in. dia. hose assembly, and a nylon tee fitting at the other end of the assembly. Install this part as outlined in the next three steps:

8. Install the bulkhead fitting & lock washer in the hole in the frame rail and secure it with the nut provided. DO NOT overtighten the nut. See Figure 2.

9. Locate the ⅛ in. dia. hose connected to the top of the N_2O failsafe assembly, and cut the hose approximately one inch above the failsafe.

10. Join the cut ends to the nylon tee fitting at the end of the scavenger shut-off ⅛ in. dia. hose assembly. Secure each connection with a tie strap as shown in Figure 2.

11. Install the adhesive-backed cable clamp on the leg of the machine in the approximate location shown in Figure 2.

INSTALLATION PROCEDURE (continued)

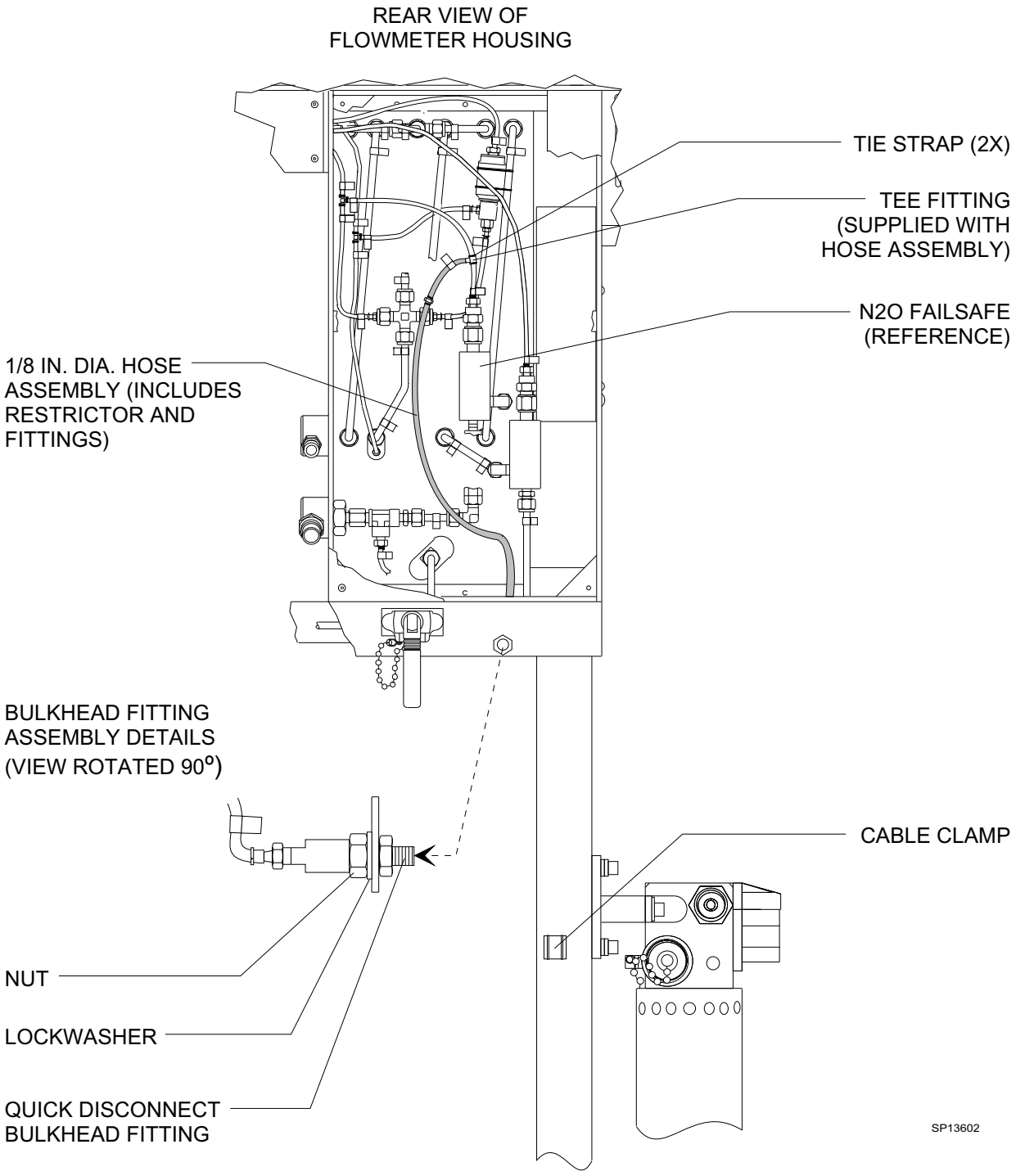

Figure 2: TUBING INSTALLATION

INSTALLATION PROCEDURE (continued)

12. Install the shut-off valve assembly onto the vacuum DISS port of the scavenger as shown in Figure 3.

13. Connect the pilot line from the shut-off valve assembly to the quick disconnect fitting on the rear frame rail.

    Install the pilot line in the cable clamp on the leg of the machine.

14. Connect a vacuum line to the DISS fitting on the shut-off valve assembly, and connect the O_2 pipeline supply.

15. Cycle the System Power switch and observe that the ball in the scavenger flowmeter is at the bottom of the flowtube when the machine is in STANDBY, and is between the white lines on the flowtube when the machine is ON.

NOTE: The scavenger needle valve may need slight adjustment to center the ball between the lines.

16. Test all connections using a leak detector solution.

17. Reinstall the back cover of the flowmeter housing.

18. Perform a complete PMS procedure on the machine.

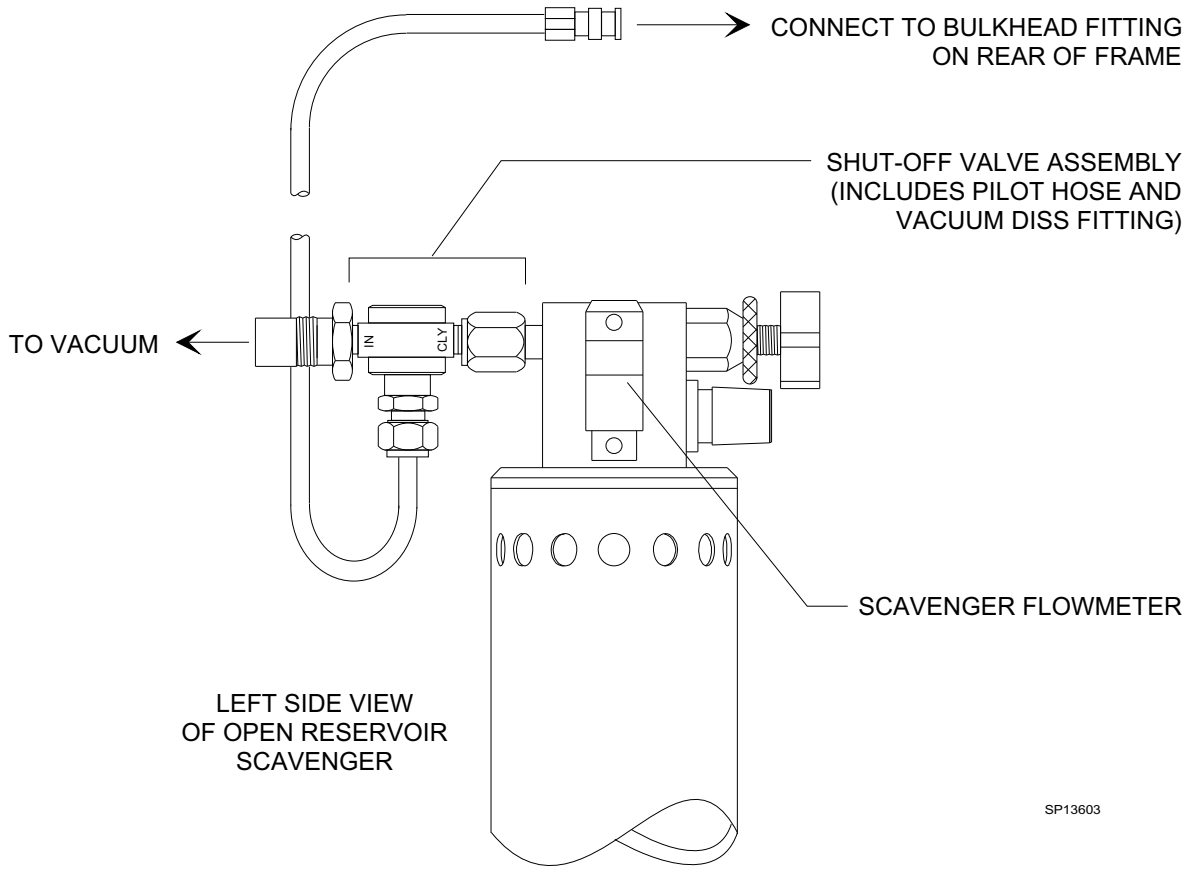

Figure 3: SHUT-OFF VALVE ASSEMBLY AND PILOT LINE CONNECTION

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Part Number: SP00136
Rev: -
Date: January 6, 1994
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